

---

From: LEE, LILY  
Sent: Friday, May 13, 2016 10:58 AM  
To: Terry, Robert  
Cc: Chesnutt, John  
Subject: FW: Do any of these attached contain documentation re original release criteria or of Ra-226 or Th-232 background levels?  
Attachments: 09-2126455.pdf; 09-2140350.pdf; 09-2216003.pdf; 09- 2226257.pdf; 09-2226304.pdf; 09-2227348.pdf; 09-2232718.pdf; 09-2232748.pdf; 09- 2232765.pdf

Lily Lee  
Cleanup Project Manager  
Superfund Division  
U.S. Environmental Protection Agency, Region 9  
75 Hawthorne St. (SFD-8-3)  
San Francisco, CA 94105  
Tel: 415-947-4187, Fax: 415-947-3518  
[www.epa.gov/region9/superfund](http://www.epa.gov/region9/superfund)

---

From: LEE, LILY  
Sent: Monday, May 02, 2016 6:17 AM  
To: Terry, Robert <Terry.Robert@epa.gov>  
Subject: FW: Do any of these attached contain documentation re original release criteria or of Ra-226 or Th-232 background levels?

Dear Rob,

I'm in NARPM conference in Pittsburgh this wk. I can try to call you around 2 pm Pacific time today to check in. In the mean time. Here are the 3 questions that we had been interested in. Does this help?

Thank you for your help!

- Lily

Lily Lee  
Cleanup Project Manager  
Superfund Division  
U.S. Environmental Protection Agency, Region 9  
75 Hawthorne St. (SFD-8-3)  
San Francisco, CA 94105  
Tel: 415-947-4187, Fax: 415-947-3518  
[www.epa.gov/region9/superfund](http://www.epa.gov/region9/superfund)

---

From: LEE, LILY  
Sent: Wednesday, April 27, 2016 8:21 AM  
To: Terry, Robert <Terry.Robert@epa.gov>  
Cc: Chesnutt, John <Chesnutt.John@epa.gov>

Subject: Do any of these attached contain documentation re original release criteria or of Ra-226 or Th-232 background levels?

Dear Rob,

Dan Hirsch asked the following:

1. Documentation re original release criteria & calculations using the then-current version of EPA PRG Calculator, including what risk level that represents
2. "The Hunters Point documents we have been reviewing indicate a remediation level for radium-226 of 1 pCi/g above background, not to exceed 2 pCi/g, "per agreement with EPA." Could you send me documentation of that EPA agreement and its basis, and any risk assessment that was performed at the time of the risk associated with that level of radium? Also, I am having trouble locating the value being employed for radium background—could you let me know what value is being used and where I can find the source for it?"

We are interested in Thorium background levels.

Mark Ripperda thought these documents might contain information relevant to these questions. Could you please review these documents to see if they have information that addresses these questions? I'd appreciate it!

- Lily

Lily Lee  
Cleanup Project Manager  
Superfund Division  
U.S. Environmental Protection Agency, Region 9  
75 Hawthorne St. (SFD-8-3)  
San Francisco, CA 94105  
Tel: 415-947-4187, Fax: 415-947-3518  
[www.epa.gov/region9/superfund](http://www.epa.gov/region9/superfund)

---

From: ELATTAR, SARA  
Sent: Thursday, April 21, 2016 8:42 AM  
To: LEE, LILY <[LEE.LILY@EPA.GOV](mailto:LEE.LILY@EPA.GOV)>  
Cc: HSG Circulation <[circulation@herndon-group.com](mailto:circulation@herndon-group.com)>  
Subject: RE: Could I get these documents?

Good morning Lily,

No problem at all, I am glad to help out.

I have created DRF (Document Request form) on your behalf. Please see below:

	Requester	Doc Request #	Site Name	Submitted	Due Date	Status	Released?	Request Type
Notes Link	LEE, L.	90421-0820	TREASURE ISLAND NAVAL STN HUNTERS PT AN	04/21/2016	04/27/2016	In Process	No	(Not Entered)

As for the requested documents, 9 documents were found in PDF formate in SEMS. I will attach them within this email. Please see attachment.

The rest of the documents (2054332, 88184149, 2099768, 156344, 2054389, 2054392, 2089669, and 2089668) are located at the FRC and I have requested for their retrieval. Please note it can take from 3 to 4 days to arrive to the Records center,

You will be notified immediately of their arrival.

Please feel free to request as many documents as necessary!

Let me know if you need additional assistance.

Best,

Sara Elattar  
Document Specialist  
U.S. EPA R9 Regional Records Center  
(415) 947-8717  
Managed by Herndon Solutions Group

---

From: LEE, LILY  
Sent: Wednesday, April 20, 2016 9:35 PM  
To: ELATTAR, SARA <Elattar.Sara@epa.gov>  
Subject: Could I get these documents?

Dear Sara

I'm so sorry to ask for so many this time. Could I please get these? I appreciate it!

- Lily

Lily Lee  
Cleanup Project Manager  
Superfund Division  
U.S. Environmental Protection Agency, Region 9  
75 Hawthorne St. (SFD-8-3)  
San Francisco, CA 94105  
Tel: 415-947-4187, Fax: 415-947-3518  
[www.epa.gov/region9/superfund](http://www.epa.gov/region9/superfund)

---

From: Ripperda, Mark  
Sent: Wednesday, April 20, 2016 11:38 AM  
To: LEE, LILY <LEE.LILY@EPA.GOV>  
Subject: RE: Got 2 of these 2153266, 2229254, and 2232762

The missing cleanup goal information is between the 2001 Action Memo which sets a cleanup goal of 5pCi/g above background and the 2006 Action Memo which sets 1 pCi/g above background, per communication with EPA. So here's a list of what I see that might contain it (I'm guessing that the last three in the list have the best chance of documenting the agreement):

2054332 4/12/2001	Memo: Comments on radiological investigation & confirmation surveys conducted on 3/19/01, w/attchs (radiation)	Steve Dean / Environmental Protection Agency - Region 9
88184149 4/12/2001	Memo: Bldg 364 radiological contamination removal actions (radiation)	Steve Dean / Environmental Protection Agency - Region 9
2099768 6/6/2002	Ltr: Comments on Historical radiological assessment, v2 - use of general radioactive materials, 1939-2002 (3/29/02), w/TL to KForman fr C Trombadore 6/6/02	Environmental Protection Agency - Region 9
156344 3/28/2003	Radiological scanner van survey (9/9/02-9/12/02), w/TL (radiation)	Environmental Protection Agency - Radiation & Indoor Environments National Laboratory
2126455 5/19/2003	EPA responses to comments on draft historical radiological assessment, v 2, w/TL fr C Trombadore to KForman	Environmental Protection Agency - Region 9
2226304 4/27/2004	Ltr: Transmits comments fr EPA & EPA contractor on draft final historical radiological assessment, v2, dated 2/04, w/attchs	Michael Work / Environmental Protection Agency - Region 9
2227348 11/16/2004	Comments on final historical radiological assessment & comments on response to comments on draft final historical radiological assessment, history of use of general radioactive materials (1939-2003) w/TL fr M Work to KForman	Environmental Protection Agency - Region 9
2216003 2/16/2005	Basewide radiological workplan, w/apps A-B & w/o fig 2-1	Tetra Tech FW, Inc   M K M Engineers, Inc   New World Environmental, Inc

2054389 2/18/2005	Workplan, removal action design & implementation, metal debris reef & metal slag areas, parcels E & E-2, draft, w/TLs, instruction sheet, & replacement pages (radiation)	Tetra Tech F W, Inc	
2140350 2/22/2005	Mtg Agenda & Notes: BRAC Cleanup Team (BCT) mtg, w/attchs	Tetra Tech, Inc	
2054392 2/25/2005	Project workplan, PCB hot spot soil excavation site, parcels E & E-2, draft, w/TL fr KForman to M Work (radiation)	Tetra Tech F W, Inc	
2232765 3/7/2005	Email: Questions about basewide radiological workplan, w/history	Michael Work / Environmental Protection Agency - Region 9	Steve Dean / Environmental Protection Agency - Region 9
2232718 4/6/2005	Mtg Handout: Radiological program overview mtg (4/6/05), w/marginalia	US Navy - Base Realignment & Closure Program Management Office	
2226257 4/13/2005	Ltr: Concerns re project workplan, radiological time-critical removal action, IR-02 northwest & central, parcel E, dated 3/9/05, w/TL fr I Balkissoon to JRicks	James Ricks / Environmental Protection Agency - Region 9	
2232748 4/14/2005	Ltr: Comments on draft removal action design & implementation workplan, metal debris reef & metal slag areas, parcels E & E-2, dated 2/05, w/TL fr JRicks to P Brooks	Environmental Protection Agency - Region 9	
2089669 2/14/2006	Draft final project workplan, base-wide storm drain & sanitary sewer removal, w/TL to JRicks fr KForman 2/13/06	Tetra Tech EC, Inc	
2089668 2/14/2006	Draft final parcel B design plan, storm drain & sanitary sewer removal, w/TL to JRicks fr KForman 2/13/06	Tetra Tech EC, Inc	